

COMBINED DECLARATION FOR PATENT
APPLICATION AND POWER OF ATTORNEY
(Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER
19603/3357 (CRF D-1595G)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**DETECTION OF NUCLEIC ACID SEQUENCE DIFFERENCES USING THE LIGASE DETECTION
REACTION WITH ADDRESSABLE ARRAYS**

the specification of which (check only one item below):

☒ is attached hereto.

☐ was filed as U.S. Patent Application Serial No. _____ on _____ and was amended on _____
(if applicable).

☐ was filed as PCT International Application Number _____ on _____ and was amended under PCT Article 19
on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specifications, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37,
Code of Federal Regulations, § 1.56(a).

I hereby claim priority benefits under Title 35, United States Code, § 119 of any application(s) for patent or inventor's certificate or
any PCT international application(s) designating at least one country other than the United States listed below and have also identified
below any application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country
other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of
which priority is claimed:

PRIOR APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

COUNTRY (IF PCT, indicate "PCT")	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119
United States	60/011,359	09 February 1996	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

COMBINED DECLARATION FOR PATENT
APPLICATION AND POWER OF ATTORNEY
(Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER
19603/461 (CRF D-1595A)

As a below named inventor, I hereby declare that:

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entitled: DETECTION OF NUCLEIC ACID SEQUENCE DIFFERENCES USING THE LIGASE
DETECTION REACTION WITH ADDRESSABLE ARRAYS

the specification of which (check only one item below):

☐ is attached hereto.

☒ was filed as United States application
Serial No. 08/794,851
on February 4, 1997
and was amended
on _____ (if applicable).

☐ was filed as PCT international application Number _____
on _____ and was amended under PCT Article 19 on _____
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and have also identified below any foreign application(s) for patent or inventor's
certificate or any PCT international application(s) designating at least one country other
than the United States of America filed by me on the same subject matter having a filing
date before that of the application(s) of which priority is claimed:

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

COUNTRY (IF PCT, indicate "PCT")	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119
UNITED STATES	60/011,359	9 FEB 1996	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States
application(s) or PCT international application(s) designating the United States of
America that is/are listed below and, insofar as the subject matter of each of the claims
of this application is not disclosed in that/those prior application(s) in the manner
provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the
duty to disclose material information as defined in Title 37, Code of Federal Regulations,
§ 1.56(a) which occurred between the filing date of the prior application(s) and the
national or PCT International filing date of this application:

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT
UNDER 35 U.S.C. 120:

U.S. APPLICATIONS		STATUS (Check One)		
U.S. APPLICATION NUMBER	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
PCT APPLICATIONS DESIGNATING THE U.S.				
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NUMBERS ASSIGNED (if any)		

**COMBINED DECLARATION FOR PATENT
APPLICATION AND POWER OF ATTORNEY (Continued)**
(Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER
19603/3357 (CRF D-1595G)

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U.S. APPLICATIONS

STATUS (Check One)

U.S. APPLICATION NUMBER

U.S. FILING DATE

PATENTED

PENDING

ABANDONED

08/794,851

04 February 1997

X

PCT APPLICATIONS DESIGNATING THE U.S.

**PCT
APPLICATION NO.**

**PCT
FILING DATE**

**U.S. SERIAL NUMBERS
ASSIGNED (if any)**

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. **Michael L. Goldman, Registration No. 30,727; Joseph M. Noto, Registration No. 32,163; Ann R. Pokalsky, Registration No. 34,697; Gunnar G. Leinberg, Registration No. 35,584; Edwin V. Merkel, Registration No. 40,087; Georgia Evans, Registration No. 44,597; Alice Y. Choi, Registration No. 45,758; Andrew K. Gonsalves, Registration No. 48,145; Noreen L. Connolly, Registration No. 48,987; John Campa, Registration No. 49,014**

Send Correspondence to:

**Michael L. Goldman
NIXON PEABODY LLP
Clinton Square, P.O. Box 31051
Rochester, New York 14603**

Direct telephone calls to:
**Michael L. Goldman
(716) 263-1304**

201	FULL NAME OF INVENTOR	FAMILY NAME Barany	FIRST GIVEN NAME Francis	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY New York	STATE/FOREIGN COUNTRY New York	COUNTRY OF CITIZENSHIP United States
	POST OFFICE ADDRESS	P.O. ADDRESS 450 E. 63rd Street, Apt. #12C	CITY New York	STATE & ZIP CODE/COUNTRY New York 10021/USA
202	FULL NAME OF INVENTOR	FAMILY NAME Barany	FIRST GIVEN NAME George	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY Falcon Heights	STATE/FOREIGN COUNTRY Minnesota	COUNTRY OF CITIZENSHIP United States
	POST OFFICE ADDRESS	P.O. ADDRESS 1813 Prior Avenue, North	CITY Falcon Heights	STATE & ZIP CODE/COUNTRY Minnesota 55113/USA
203	FULL NAME OF INVENTOR	FAMILY NAME Hammer	FIRST GIVEN NAME Robert	SECOND GIVEN NAME P.
	RESIDENCE & CITIZENSHIP	CITY Baton Rouge	STATE/FOREIGN COUNTRY Louisiana	COUNTRY OF CITIZENSHIP United States
	POST OFFICE ADDRESS	P.O. ADDRESS 4967 Tulane Drive	CITY Baton Rouge	STATE & ZIP CODE/COUNTRY Louisiana 70808/USA

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201

SIGNATURE OF INVENTOR 202

SIGNATURE OF INVENTOR 203

UNSIGNED

UNSIGNED

UNSIGNED

DATE

DATE

DATE

COMBINED DECLARATION FOR PATENT APPLICATION
AND POWER OF ATTORNEY (Continue)

ATTORNEY'S DOCKET NUMBER
19603/461 (CRF D-1595A)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. Michael L. Goldman, Registration No. 30,727

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Clinton Square, P. O. Box 1051
Rochester, New York 14603

Direct Telephone Calls to:
(name and telephone number)
Michael L. Goldman
(716) 263-1304

201	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	Barany		Francis	
	RESIDENCE & CITIZENSHIP	CITY	STATE/FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	New York	New York	USA	
	POST OFFICE ADDRESS	P.O. ADDRESS	CITY	STATE & ZIP CODE/CTRY
	450 E. 63rd Street Apt. #12C	New York	New York	10021/USA
202	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	Barany		George	
	RESIDENCE & CITIZENSHIP	CITY	STATE/FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	Falcon Heights	Minnesota	USA	
	POST OFFICE ADDRESS	P.O. ADDRESS	CITY	STATE & ZIP CODE/CTRY
	1813 Prior Ave. North	Falcon Heights	Minnesota	55113/USA
203	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	Hammer		Robert	P.
	RESIDENCE & CITIZENSHIP	CITY	STATE/FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	Baton Rouge	Louisiana	USA	
	POST OFFICE ADDRESS	P.O. ADDRESS	CITY	STATE & ZIP CODE/CTRY
	4967 Tulane Drive	Baton Rouge	Louisiana	70808/USA
204	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	Kempe		Maria	
	RESIDENCE & CITIZENSHIP	CITY	STATE/FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	Minneapolis	Minnesota	Sweden	
	POST OFFICE ADDRESS	P.O. ADDRESS	CITY	STATE & ZIP CODE/CTRY
	401 South 1st Street, Apt. 1404	Minneapolis	Lund	Minnesota 55401/USA 5-222 21 Lund, Sweden
205	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	Blok		Herman	
	RESIDENCE & CITIZENSHIP	CITY	STATE/FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	Wemeldinge	Netherlands	Netherlands	
	POST OFFICE ADDRESS	P.O. ADDRESS	CITY	STATE & ZIP CODE/CTRY
	Westelijke Kanaalweg 53	Wemeldinge		4424 BG Wemeldinge /Netherlands
206	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	Zirvi		Monib	
	RESIDENCE & CITIZENSHIP	CITY	STATE/FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	New York	New York	USA	
	POST OFFICE ADDRESS	P.O. ADDRESS	CITY	STATE & ZIP CODE/CTRY
	420 E. 70th Street Apt. 5J	New York		New York 10021/USA

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SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
	X <i>George Barany</i>	
DATE	DATE <i>May 6, 1997</i>	DATE
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	SIGNATURE OF INVENTOR 206
X <i>Main topic</i>		
DATE <i>May 20, 1997</i>	DATE	DATE

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APPLICATION AND POWER OF ATTORNEY
(Includes Reference to PCT International Applications)

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the specification of which (check only one item below):

☐ is attached hereto.

☒ was filed as United States application

Serial No. 08/794,851

on February 4, 1997

and was amended

on (if applicable).

☐ was filed as PCT international application Number

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I hereby state that I have reviewed and understand the contents of the above-identified
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than the United States of America filed by me on the same subject matter having a filing
date before that of the application(s) of which priority is claimed:

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

COUNTRY (IF PCT, indicate "PCT")	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119
UNITED STATES	60/011,359	9 FEB 1996	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States
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PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT
UNDER 35 U.S.C. 120:

U.S. APPLICATIONS		STATUS (Check One)		
U.S. APPLICATION NUMBER	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
PCT APPLICATIONS DESIGNATING THE U.S.				
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NUMBERS ASSIGNED (if any)		

COMBINED DECLARATION FOR PATENT APPLICATION
AND POWER OF ATTORNEY (Continue)

ATTORNEY'S DOCKET NUMBER
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POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/o agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. Michael L. Goldman, Registration No. 30,727

Send Correspondence to: Michael L. Goldman
Nixon, Hargrave, Devans & Doyle LLP
Clinton Square, P. O. Box 1051
Rochester, New York 14603

Direct Telephone Calls to:
(name and telephone number
Michael L. Goldman
(716) 263-1304

201	FULL NAME OF INVENTOR	FAMILY NAME Barany	FIRST GIVEN NAME Francis	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY New York	STATE/FOREIGN COUNTRY New York	COUNTRY OF CITIZENSHIP USA
	POST OFFICE ADDRESS	P.O. ADDRESS 450 E. 63rd Street Apt. #12C	CITY New York	STATE & ZIP CODE/CTRY New York 10021/USA
202	FULL NAME OF INVENTOR	FAMILY NAME Barany	FIRST GIVEN NAME George	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY Falcon Heights	STATE/FOREIGN COUNTRY Minnesota	COUNTRY OF CITIZENSHIP USA
	POST OFFICE ADDRESS	P.O. ADDRESS 1813 Prior Ave. North	CITY Falcon Heights	STATE & ZIP CODE/CTRY Minnesota 55113/USA
203	FULL NAME OF INVENTOR	FAMILY NAME Hammer	FIRST GIVEN NAME Robert	SECOND GIVEN NAME P.
	RESIDENCE & CITIZENSHIP	CITY Baton Rouge	STATE/FOREIGN COUNTRY Louisiana	COUNTRY OF CITIZENSHIP USA
	POST OFFICE ADDRESS	P.O. ADDRESS 4967 Tulane Drive	CITY Baton Rouge	STATE & ZIP CODE/CTRY Louisiana 70808/USA
204	FULL NAME OF INVENTOR	FAMILY NAME Kempe	FIRST GIVEN NAME Maria	SECOND GIVEN NAME
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	POST OFFICE ADDRESS	P.O. ADDRESS 401 South 1st Street, Apt. 1404	CITY Minneapolis	STATE & ZIP CODE/CTRY Minnesota 55401/USA
205	FULL NAME OF INVENTOR	FAMILY NAME Blok	FIRST GIVEN NAME Herman	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY Wemeldinge	STATE/FOREIGN COUNTRY Netherlands	COUNTRY OF CITIZENSHIP Netherlands
	POST OFFICE ADDRESS	P.O. ADDRESS Westelijke Kanaalweg 53	CITY Wemeldinge	STATE & ZIP CODE/CTRY 4424 BG Wemelding /Netherlands
206	FULL NAME OF INVENTOR	FAMILY NAME Zirvi	FIRST GIVEN NAME Monib	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY New York	STATE/FOREIGN COUNTRY New York	COUNTRY OF CITIZENSHIP USA
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SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203 <i>X Robert P. Hammer</i>
DATE	DATE	DATE <i>April 25, 1997</i>
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	SIGNATURE OF INVENTOR 206
DATE	DATE	DATE

COMBINED DECLARATION FOR PATENT
APPLICATION AND POWER OF ATTORNEY
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ATTORNEY'S DOCKET NUMBER

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UNDER 35 U.S.C. 120:

U.S. APPLICATIONS

STATUS (Check One)

U.S. APPLICATION NUMBER	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
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PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NUMBERS ASSIGNED (if any)		

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Rochester, New York 14603

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(name and telephone number)
Michael L. Goldman
(716) 263-1304

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	RESIDENCE & CITIZENSHIP	CITY New York	STATE/FOREIGN COUNTRY New York	COUNTRY OF CITIZENSHIP USA
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	RESIDENCE & CITIZENSHIP	CITY Wemeldinge	STATE/FOREIGN COUNTRY Netherlands	COUNTRY OF CITIZENSHIP Netherlands
	POST OFFICE ADDRESS	P.O. ADDRESS Westelijke Kanaalweg 53	CITY Wemeldinge	STATE & ZIP CODE/CTRY 4424 BG Wemeldinge /Netherlands
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	RESIDENCE & CITIZENSHIP	CITY New York	STATE/FOREIGN COUNTRY New York	COUNTRY OF CITIZENSHIP USA
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SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
DATE	DATE	DATE
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	SIGNATURE OF INVENTOR 206
DATE	DATE 21 April 1997	DATE

COMBINED APPLICATION FOR PATENT
APPLICATION AND POWER OF ATTORNEY
(Includes Reference to PCT International Applications)

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Serial No. 08/794,851
on February 4, 1997
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on _____

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I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any
foreign application(s) for patent or inventor's certificate or of any PCT international
application(s) designating at least one country other than the United States listed below
and have also identified below any foreign application(s) for patent or inventor's
certificate or any PCT international application(s) designating at least one country other
than the United States of America filed by me on the same subject matter having a filing
date before that of the application(s) of which priority is claimed:

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

COUNTRY (IF PCT, indicate "PCT")	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119
UNITED STATES	60/011,359	9 FEB 1996	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States
application(s) or PCT international application(s) designating the United States of
America that is/are listed below and, insofar as the subject matter of each of the claims
of this application is not disclosed in that/those prior application(s) in the manner
provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the
duty to disclose material information as defined in Title 37, Code of Federal Regulations,
§ 1.56(a) which occurred between the filing date of the prior application(s) and the
national or PCT International filing date of this application:

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT
UNDER 35 U.S.C. 120:

U.S. APPLICATIONS			STATUS (Check One)		
U.S. APPLICATION NUMBER	U.S. FILING DATE		PATENTED	PENDING	ABANDONED
PCT APPLICATIONS DESIGNATING THE U.S.					
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NUMBERS ASSIGNED (if any)			

COMBINED DECLARATION FOR PATENT APPLICATION
AND POWER OF ATTORNEY (Continue)

ATTORNEY'S DOCKET NUMBER
9603/461 (CRF D-1595A)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. Michael L. Goldman, Registration No. 30,727

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201 X <i>Dr. Francis Barany</i>	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
DATE <i>April 17, 1997</i>	DATE	DATE
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	SIGNATURE OF INVENTOR 206 X <i>Monib Zirvi</i>
DATE	DATE	DATE <i>April 17, 1997</i>